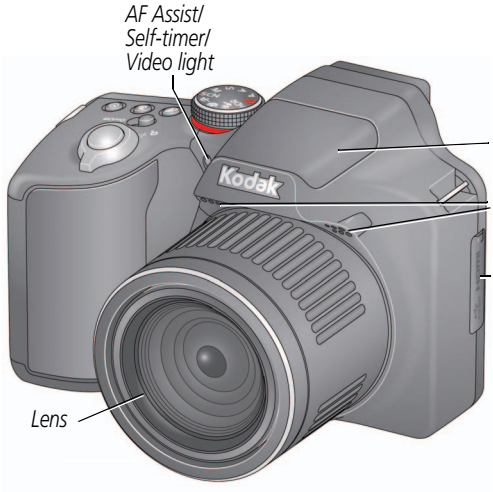
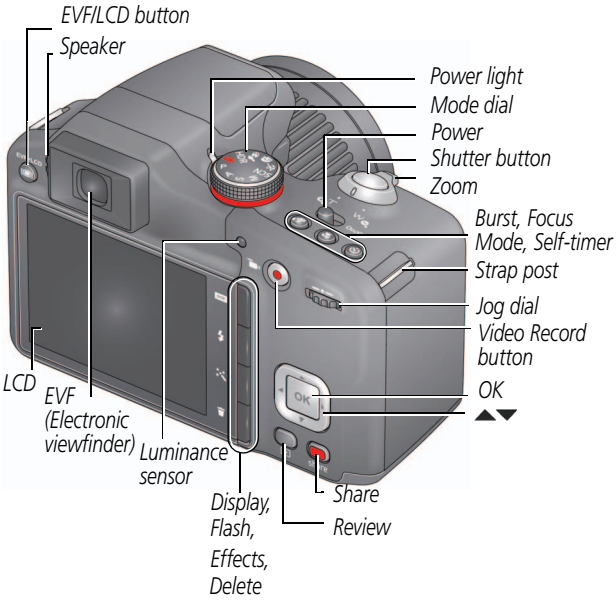
Front View



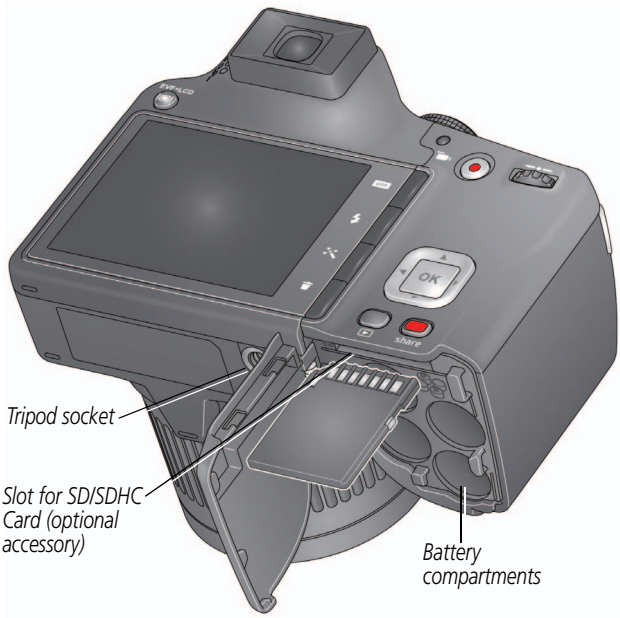
See the Extended user guide	www.kodak.com/go/Z990manuals
See How-To videos	www.kodak.com/go/Z990demos

Back View



See the Extended user guide	www.kodak.com/go/Z990manuals
See How-To videos	www.kodak.com/go/Z990demos

Bottom view

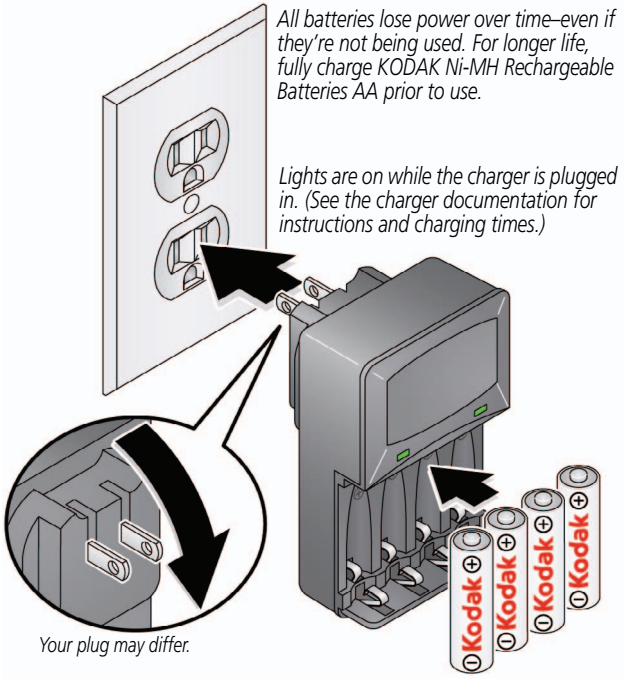


See the Extended user guide	www.kodak.com/go/Z990manuals
See How-To videos	www.kodak.com/go/Z990demos

1 Charge the batteries

All batteries lose power over time–even if they're not being used. For longer life, fully charge KODAK Ni-MH Rechargeable Batteries AA prior to use.

Lights are on while the charger is plugged in. (See the charger documentation for instructions and charging times.)



Your plug may differ.

See the Extended user guide	www.kodak.com/go/Z990manuals
See How-To videos	www.kodak.com/go/Z990demos

Load the batteries

See the Extended user guide	www.kodak.com/go/Z990manuals
See How-To videos	www.kodak.com/go/Z990demos

2 Use an SD/SDHC Card

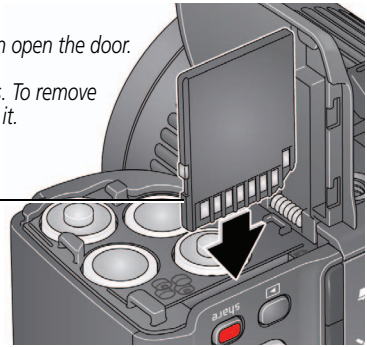
Your camera has internal memory. We recommend purchasing an SD or SDHC Card to conveniently store more pictures/videos.

CAUTION:

A card can only be inserted one way; forcing it may cause damage. Inserting or removing a card while the camera is on may damage the pictures, the card, or the camera.

1. *Turn off the camera, then open the door.*
2. *Insert a card until it clicks. To remove a card, press and release it.*

Optional accessory

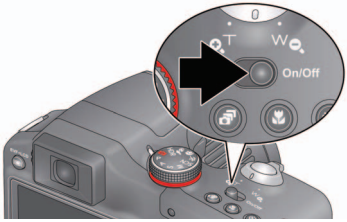


IMPORTANT: *When you turn on the camera, it checks to see if a card is inserted. If so, new pictures/videos are stored on the card. If no card is inserted, new pictures/videos are stored in the camera's internal memory.*

If pictures/videos are detected in internal memory and a card is inserted, the camera prompts you to move the pictures to the card (and erase those in internal memory).

Purchase cards	www.kodak.com/go/accessories

3 Turn on the camera



4 Set the language, date/time, sharing

Language:

▲▼ *to change.*
OK *to accept.*

Date/Time:

At the prompt, press *OK*.

◀▶ *to change current field.*
▲▼ *for previous/next field.*
OK *to accept.*

Sharing Destinations:

You can tell the camera which sharing sites to offer when you share pictures/videos.

▲▼ *to highlight a site.*
OK *to check/uncheck the site.*

See the Extended user guide www.kodak.com/go/Z990manuals

5 Take a picture

1. *Turn the Mode dial to Smart Capture.*
2. *Use the LCD or EVF to compose the picture. Press the EVF/LCD button and use the electronic viewfinder to conserve battery power and improve visibility outdoors.*
3. *Press the Shutter button halfway to focus and set exposure.*

4. *When the framing marks turn green (or yellow for faces), press the Shutter button completely down.*

See all picture modes	page 17
See the Extended user guide	www.kodak.com/go/Z990manuals

Your camera, the way you want it

Sometimes, you want to see everything available! (Other times, you want everything out of your way.)

Press the Display button **DISP.** *to change between Clean view and Tools view.*

Clean view

Tools view
(Tools vary by camera mode.)

Note: If you're in a PASM mode, Liveview Histogram and Framing Grid view are also available.

Use Tools to choose actions, preferences

1 *In Liveview, press ▲▼ to move between Tools and the most recent picture.*

or

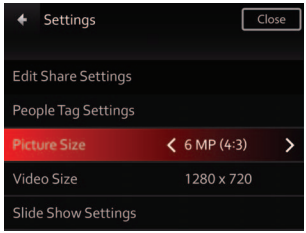
1 *In Review, press ▲▼ to move between Tools and Previous/Next.*

2 *Press ◀▶ to choose a tool, then press OK.*

Press ◀▶ to change a tool's setting, then press OK.

Note: If you chose 🔧, press ▲▼ to choose a setting, then press OK.

Some settings can be chosen using ◀▶.



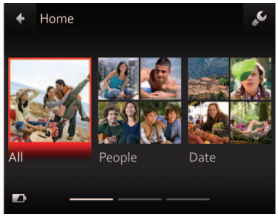
Understanding the picture-taking icons

See the Extended user guide	www.kodak.com/go/Z990manuals
See How-To videos	www.kodak.com/go/Z990demos

6 Review pictures/videos

Review

1. *Press the Review ▶ button to enter/exit Review.*
2. *Press ◀ ▶ to choose All, People, Date, Keywords, or Videos, then press OK.*



3. *If you chose People, Date, or Keywords, highlight a name, date, or keyword, then press OK.*

You can also review pictures/videos by pressing:

- *OK in Liveview, when the most recent picture appears in the bottom left of the LCD, or*
- ▶ *during Quickview, while reviewing a new picture*

See the Extended user guide	www.kodak.com/go/Z990manuals
See How-To videos	www.kodak.com/go/Z990demos

Other things you can do in Review

- *Press ◀ ▶ to see previous/next picture/video.*
- *Press OK to play videos.*
- *Press* **DISP.** *to show/hide tools.*
- *Press* 🗑 *to delete pictures/videos.*

See the Extended user guide	www.kodak.com/go/Z990manuals
See How-To videos	www.kodak.com/go/Z990demos

7 It's never been easier to share

IMPORTANT: *To use the sharing and social networking features, you must install KODAK Software.* *(See page 15.)*

1 Press the Share button to share anytime:

In Liveview

In Quickview

In Review

2 Press ▲▼ and OK to choose social networking sites or email addresses.

3 Press ▲ to choose Done, then press OK.

When you transfer these pictures/videos to your computer, they are sent to the sharing destinations you chose.

See the Extended user guide	www.kodak.com/go/Z990manuals
See How-To videos	www.kodak.com/go/Z990demos

8 Install software, transfer pictures

Install KODAK Software and get ready to share!

IMPORTANT: *To use the sharing and social networking features, you must install the KODAK Share Button App.*

Make sure the computer is connected to the Internet. When you connect the camera to the computer, the KODAK Camera Setup App automatically runs. Follow the prompts to install the KODAK Share Button App.

1. Turn off the camera.
2. Use a KODAK Camera USB Cable, Micro B / 5-Pin to connect camera to computer.
3. Turn on the camera.
4. After the software is installed, follow the prompts to transfer pictures and videos to your computer.

NOTE: If the installer does not run, find and launch it here:

- WINDOWS OS: in My Computer
- MAC OS: on your Desktop

See the Extended user guide	www.kodak.com/go/Z990manuals
See How-To videos	www.kodak.com/go/Z990demos

9 Keep learning about your camera

Congratulations!

You have:

- set up your camera
- taken pictures
- transferred pictures to your computer

Keep learning!

Finish reading this book, so you can take and share your best pictures!

Go to www.kodak.com/go/Z990support for:

- the Extended user guide
- how-to videos and tutorials
- camera firmware updates
- answers to your frequently asked questions
- product registration

See the Extended user guide	www.kodak.com/go/Z990manuals
See How-To videos	www.kodak.com/go/Z990demos

1 Using different modes

Choose the mode that best suits your subjects and surroundings.

Capture mode		For
	Smart Capture	Excellent image quality and ease of use.
P **A** **S** **M**	**Program** **Aperture Priority** **Shutter Priority** **Manual**	More control over your camera and pictures. (See page 22.)
SCN	**Scene**	Unique environments. (See page 18.)
	Sport	Subjects that are in motion.
	Portrait	Full-frame portraits of people.
	Creative	Artistic features. (See page 19.)
HDR	**High Dynamic Range**	High-contrast scenes. The camera takes and merges 3 pictures to produce one of high dynamic range, accommodating light levels from bright sunlight to faint starlight. (See page 21.)

Using SCN (Scene) modes

1 Turn the Mode dial to SCN (Scene).

2 Press ◀▶ and ▲▼ to read Scene mode descriptions.

3 Press OK to choose the Scene mode that you've highlighted.

SCN mode	For
Landscape	Distant scenes.
Flower	Close range.
Sunset	Subjects at dusk.
Backlight	Subjects that are in shadow or "backlit."
Candle Light	Subjects illuminated by candle light.
Children	Action pictures of children in bright light.
Bright	Bright beach or snow scenes.
Fireworks	Fireworks.
Self-Portrait	Close-ups of yourself.
Night Portrait	Reduces red eye.
Night Landscape	Distant scenery at night. Flash does not fire.
Stage	People on a lit stage.
High ISO	People indoors, in low-light scenes.
Panorama R-L, L-R	"Stitching" 2 or 3 pictures into 1 panoramic scene.

Using Creative modes

1 Turn the Mode dial to Creative mode .

2 Press ◀▶ and ▲▼ to read Creative mode descriptions.

3 Press OK to choose the highlighted Creative mode.

Creative mode	For
Night Scene Long Exposure	For night photos that contain moving objects. Gives the impression of motion.
Dramatic	Highly saturated, vibrant color. The camera takes and merges 2 pictures to produce one of rich tone and detail.
Intelligent Portrait Mode	Close-ups of faces. The camera takes multiple pictures, then chooses the one with the best focus, most smiles, and most eyes open.
Photo Booth	Taking 4 pictures and combining them into single strip, like a vintage photobooth.
Automatic Panorama	Press and hold the Shutter button while vertically or horizontally panning a scene. The camera "stitches" the pictures together. (See page 20.)

See the Extended user guide	www.kodak.com/go/Z990manuals

Using Automatic Panorama

Pan or "sweep" up to 180 degrees horizontally or 120 degrees vertically to create a single, wide image (as opposed to Panorama SCN mode, where you manually take 2–3 pictures).

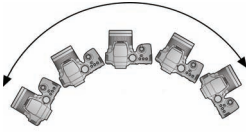
Choose the direction of panning

1. Turn the Mode dial to Creative mode.
2. Press ◀▶ and ▲▼ to highlight Automatic Panorama, then press OK.
3. The default panning direction is Left-to-Right. To change it:
   - Press ▲ to highlight the Automatic Panorama icon, then press OK.
   - Press ◀▶ for Right-to-Left, Bottom-to-Top, or Top-to-Bottom. Then press OK.

Take the picture

Set the lens to wide (no zoom). Choose stationary subjects.

1. At your starting point, press the Shutter button halfway down, then press completely down **and hold it.**
2. Keeping the Shutter button pressed, slowly pan or tilt.



- *Cover the entire sweep in about 5 seconds.*
- *If you pan or tilt too quickly or too slowly, the LCD displays an error.*
- *Experiment until you get the timing right.*

3 Release the Shutter button when the LCD displays "Processing."

The camera automatically stops recording images at approximately 180 degrees horizontally or 120 degrees vertically (depending on scene content).

4 When finished, turn the Mode dial to another mode.

Using HDR mode

Use HDR (high dynamic range) mode to capture high-contrast scenes—those with both bright highlights and dark shadows. (Example: The bark of a shaded tree against a bright sky.)

1 Turn the Mode dial to HDR.

2 Compose the picture. Important tips:

- Hold the camera steady or use a tripod—the camera will be taking multiple pictures.
- For best results, photograph stationary subjects.
- Avoid fluorescent lights, which may produce horizontal bands.

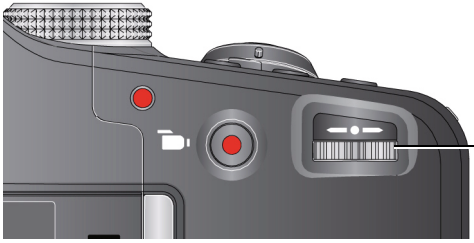
3 Press the Shutter button halfway down, then completely down.

The camera takes 3 pictures, then combines them into 1, with shadows and highlights at their best exposure.

See the Extended user guide www.kodak.com/go/Z990manuals

P, A, S, and M modes

Use PASM modes for more control over your camera and pictures.



Mode	When to use	Press Jog dial to control
P	**Program** mode offers the ease of auto shooting with full access to all menu options.	Exposure compensation (how much light enters the camera), flash compensation, and ISO speed
A	**Aperture Priority** mode controls depth of field (the range of sharpness).	Aperture, exposure compensation, flash compensation, and ISO speed
S	**Shutter Priority** mode controls shutter speed.	Shutter speed, exposure compensation, and flash compensation
M	**Manual** mode offers a high level of control.	Aperture, shutter speed, flash compensation, and ISO speed

Changing P, A, S, or M mode settings

1. Turn the Mode dial to P, A, S, or M.
2. Press the Display button DISP..
3. Turn the Jog dial ◀▶ to choose a setting, then press it to edit the setting. Turn the Jog dial ◀▶ to change a setting, then press it to save it.

ISO—adjust the camera's sensitivity to light. Higher ISO indicates greater sensitivity.

Flash Compensation—adjust flash brightness.

Exposure Compensation—adjust the exposure. If the scene is too light, decrease the setting; if it's too dark, increase it.

Shutter speed—control how long the shutter stays open. (Use a tripod for slow shutter speeds.)

Aperture—(also known as f-stop) control the size of the lens opening, which determines the depth of field.

- Smaller aperture numbers indicate a larger lens opening; good for low-light.
- Larger aperture numbers indicate a smaller lens opening; keeps the main subject sharp; good for landscapes and well-lit conditions.

See the Extended user guide	www.kodak.com/go/Z990manuals
See How-To videos	www.kodak.com/go/Z990demos

2 Solve camera problems

Go to www.kodak.com/go/support for the Extended user guide, firmware updates, and answers to your questions.

Status	Solution
Camera does not turn on/off or function	■ Make sure the batteries are charged and installed correctly (see page 4).
LCD is too dark.	■ Press the EVF/LCD button and use the electronic viewfinder (EVF).
Short battery life	■ Make sure the batteries are charged (see page 4). ■ Press the EVF/LCD button and use the electronic viewfinder (EVF). ■ Purchase spare batteries at www.kodak.com/go/accessories.
Flash does not fire	■ The flash does not fire in all modes. Change modes as needed.
Computer does not communicate with the camera	■ Turn the camera off, then back on. ■ Make sure the batteries are charged and installed correctly (see page 4). ■ Make sure a KODAK Camera USB Cable, Micro B / 5-Pin is connected to the camera and the computer (see page 15). Then turn on the camera. ■ See KODAK Software Downloads at www.kodak.com/go/camerasw.

3 Appendix

CAUTION:

Do not disassemble this product; there are no user-serviceable parts inside. Refer servicing to qualified service personnel. KODAK AC Adapters and Battery Chargers are intended for indoor use only. The use of controls, adjustments, or procedures other than those specified herein may result in exposure to shock and/or electrical or mechanical hazards. If the LCD breaks, do not touch the glass or liquid. Contact Kodak customer support.

- The use of an accessory that is not recommended by Kodak may cause fire, electric shock, or injury. For approved accessories, go to www.kodak.com/go/accessories.
- Use only a USB-certified computer equipped with a current-limiting motherboard. Contact your computer manufacturer if you have questions.
- If using this product in an airplane, observe all instructions of the airline.
- When removing the battery, allow it to cool; it may be hot.
- Follow all warnings and instructions supplied by the battery manufacturer.
- Use only batteries approved for this product to avoid risk of explosion.
- Keep batteries out of the reach of children.
- Do not allow batteries to touch metal objects, including coins. Otherwise, a battery may short circuit, discharge energy, become hot, or leak.
- Do not disassemble, install backward, or expose batteries to liquid, moisture, fire, or extreme temperature.
- Remove the battery when the product is stored for an extended period of time. In the unlikely event that battery fluid leaks inside the product, contact Kodak customer support.
- In the unlikely event that battery fluid leaks onto your skin, wash immediately with water and contact your local health provider. For additional health-related information, contact your local Kodak customer support.
- See www.kodak.com/go/reach for information about the presence of substances included on the candidate list according to article 59(1) of Regulation (EC) No. 1907/2006 (REACH).
- Dispose of batteries according to local and national regulations. Go to www.kodak.com/go/kes.
- Do not charge non-rechargeable batteries.

  For more information on batteries, see www.kodak.com/go/batterychart.

Limited Warranty

Kodak warrants its digital cameras and accessories (excluding batteries) to be free from

malfunctions and defects in both materials and workmanship for the warranty period specified on your KODAK Product packaging. Retain the original dated sales receipt. Proof of purchase date is required with any request for warranty repair.

Limited warranty coverage

Warranty service is only available from within the country where the products were originally purchased. You may be required to ship products, at your expense, to the authorized service facility for the country where the products were purchased. Kodak will repair or replace products if they fail to function properly during the warranty period, subject to any conditions and/or limitations stated herein. Warranty service will include all labor as well as any necessary adjustments and/or replacement parts. If Kodak is unable to repair or replace a product, Kodak will, at its option, refund the purchase price paid for the product provided the product has been returned to Kodak along with proof of the purchase price paid. Repair, replacement, or refund of the purchase price are the sole remedies under the warranty. If replacement parts are used in making repairs, those parts may be remanufactured, or may contain remanufactured materials. If it is necessary to replace the entire product, it may be replaced with a remanufactured product. Remanufactured products, parts and materials are warranted for the remaining warranty term of the original product, or 90 days after the date of repair or replacement, whichever is longer.

Limitations

This warranty does not cover circumstances beyond Kodak's control. This warranty does not apply when failure is due to shipping damage, accident, alteration, modification, unauthorized service, misuse, abuse, use with incompatible accessories or attachments (such as third party ink or ink tanks), failure to follow Kodak's operation, maintenance or repacking instructions, failure to use items supplied by Kodak (such as adapters and cables), or claims made after the duration of this warranty. **Kodak makes no other express or implied warranty for this product, and disclaims the implied warranties of merchantability and fitness for a particular purpose.** In the event that the exclusion of any implied warranty is ineffective under the law, the duration of the implied warranty will be one year from the purchase date or such longer period as required by law. The option of repair, replacement, or refund is Kodak's only obligation. Kodak will not be responsible for any special, consequential or incidental damages resulting from the sale, purchase, or use of this product regardless of the cause. Liability for any special, consequential or incidental damages (including but not limited to loss of revenue or profit, downtime costs, loss of the use of the equipment, cost of substitute equipment, facilities or services, or claims of your customers for such damages resulting from the purchase, use, or failure of the product), regardless of cause or for breach of any written or implied warranty is expressly disclaimed. The limitations and exclusions of liability set forth herein apply to both Kodak and its suppliers.

Your rights

Some states or jurisdictions do not allow exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states or jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific rights, and you may have other rights which vary from state to state or by jurisdiction.

Outside the United States and Canada

In countries other than the United States and Canada, the terms and conditions of this warranty may be different. Unless a specific Kodak warranty is communicated to the purchaser in writing by a Kodak company, no warranty or liability exists beyond any minimum requirements imposed by law, even though defect, damage, or loss may be by negligence or other act.

FCC compliance and advisory

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. The KODAK High Performance USB AC Adapter K20-AM complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Canadian DOC statement

DOC Class B Compliance—This Class B digital apparatus complies with Canadian ICES-003.

Observation des normes-Classe B—Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

China RoHS

环保使用期限 (EPUP)

在中国大陆，该值表示产品中存在的任何危险物质不得释放，以免危及人身健康、财产或环境的时间期限（以年计）。
该值根据操作说明中所规定的产品正常使用而定。

有毒有害物质或元素名称及含量标识表

部件名称	有毒有害物质或元素					
	铅	汞	镉	六价铬	多溴联苯	多溴二苯醚
数码相机电路板元件	×	O	O	O	O	O
充电电池	×	O	O	O	O	O
电池充电器电路板元件	×	O	O	O	O	O

O：表示该有毒有害物质在该部件所有均质材料中的含量均在SJ/T 11363-2006规定的限量要求以下。
×：表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006规定的限量要求。

USB 数据线

VCCI Class B ITE

この装置は，クラスB情報技術装置です。この装置は，家庭環境で使用することを目的としていますが，この装置がラジオやテレビジョン受信機に近接して使用されると，受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。 VCCI－B

Australian C-Tick

N137

Korean Class B ITE

B급 기기 (가정용 방송통신기기)	이 기기는 가정용(B급)으로 전자파적합등록을 한 기기로서 주로 가정에서 사용하는 것을 목적으로 하며, 모든 지역에서 사용할 수 있습니다.

Korean Li-Ion Regulatory

취급상의 주의사항

< 경고 > 발열, 화재, 폭발 등의 위험을 수반할 수 있으니 다음 사항을
a) 육안으로 식별이 가능할 정도의 부풀음이 발생된 전지는 위험할 수 있으므로 제조자 또는 판매자로 즉시 문의할 것
b) 지정된 정품 충전기만을 사용할 것
c) 화기에 가까이 하지 말 것(전자레인지에 넣지 말 것)
d) 여름철 자동차 내부에 방치하지 말 것
e) 찜질방 등 고온다습한 곳에서 보관, 사용하지 말 것
f) 이불, 전기장판, 카펫 위에 올려 놓고 장시간 사용하지 말 것
g) 전원을 켠 상태로 밀폐된 공간에 장시간 보관하지 말 것
h) 전지 단자에 목걸이, 동전, 열쇠, 시계 등 금속 제품이 닿지 않도록 주의할
i) 휴대 기기, 제조 업체가 보증한 리튬2차전지 사용할 것
j) 분해, 압착, 관통 등의 행위를 하지 말 것
k) 높은 곳에서 떨어뜨리는 등 비정상적 충격을 주지 말 것.
l) 60℃이상의 고온에 노출하지 말 것
m) 습기에 접촉되지 않도록 할 것

기타정보
- 폐기지침 : 각 지방자치단체의 법규에 의거하여 폐기할 것
- 충전방법에 대한 권고지침
  1 본 충전지와 함께 사용할 디지털카메라 사용자 설명서의 충전설명 참조하세요.
  2 코닥 정품 충전기 및 카메라에서만 충전하세요. (타사 충전셋 사용 금지)

제조년월 : Y = Year(제조년도의 마지막 숫자), WW = Week(제조년도의 주)
제조년월 표시 예 : 901 = 9 (2009년), 01 (첫째주)

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